

CONTENTS OF VOLUME 124

Vol. 124B, No. 1

Statem 1 april		
K. Kikuchi, K. Sakai, T. Suzuki and K. Takama	1	Fatty acid composition of choline and ethanolamine glycerophospholipid sub- classes in heart tissue of mammals and migratory and demersal fish
M. Kouba, D. Hermier and J. Le Dividich	7	Influence of a high ambient temperature on stearoyl-CoA-desaturase activity in the growing pig
C. C. Chatziioannidis, N. K. Karamanos and T. Tsegenidis	15	Isolation and characterisation of a small dermatan sulphate proteoglycan from ray skin (Raja clavata)
N. J. Berner	25	Oxygen consumption by mitochondria from an endotherm and an ectotherm
M. R. Fantappié, R. Correa-Oliveira, E. C. Caride, E. A. S. Geraldo, A. Agnew and F. D. Rumjanek	33	Comparison between site-specific DNA binding proteins of male and female Schistosoma mansoni
Z. Yin, J. Y. He, Z. Gong, T. J. Lam and Y. M. Sin	41	Identification of differentially expressed genes in Con A-activated Carp (Cyprinus carpio L.) leucocytes
A. Fónagy, N. Yokoyama, R. Ozawa, K. Okano, S. Tatsuki, S. Maeda and S. Matsumoto	51	Involvement of calcineurin in the signal transduction of PBAN in the silkworm, Bombyx mori (Lepidoptera)
L. A. Zacher and G. B. Carey	61	Cyclic AMP metabolism by swine adipocyte microsomal and plasma membranes
P. Sithigorngul, N. Panchan, T. Vilaivan, W. Sithigorngul and A. Petsom	73	Immunochemical analysis and immunocytochemical localization of crustacean hy- perglycemic hormone from the eyestalk of Macrobrachium rosenbergii
P. F. L. Fitters, M. N. Patel, C. T. Griffin and D. J. Wright	81	Fatty acid composition of Heterorhabditis sp. during storage
Edition 2 to the first of the second		

B. K. Speake, P. F. Surai, R. C. Noble, J. V. Beer

and N. A. R. Wood

R. Neunaber and R. K. Achazi

K. Takama, T. Suzuki, K. Yoshida, H. Arai, T. Mitsui

H. Nozawa, S.-i. Mamegoshi and N. Seki

from liver cytosolic fractions of bream (Abramis brama L.) Differences in egg lipid and antioxidant composition between wild and captive 101 pheasants and geese

A novel, endogenous inhibitor of 7-ethoxyresorufin-O-deethylase activity isolated

109 Phosphatidylcholine levels and their fatty acid compositions in teleost tissues and squid muscle

Instructions to Authors

Vol. 124B, No. 2

General Papers

- K. S. Rein and J. Borrone 117 Polyketides from dinoflagellates: origins, pharmacology and biosynthesis M. R. Ginger and M. R. Grigor 133 Comparative aspects of milk caseins General Papers V. J. Metcalf, S. O. Brennan and P. M. George 147 The Antarctic toothfish (Dissostichus mawsoni) lacks plasma albumin and utilises
- high density lipoprotein as its major palmitate binding protein Y. Yin and G. Olivecrona 157 Apolipoprotein CIII from guinea pig (Cavia porcellus) is shorter and less ho
 - mologous than apolipoprotein CIII from other mammals
- S. E. Brett, S. C. Leary, D. G. Welsh and J. F. 163 Efflux of T4 from the in situ perfused liver of rainbow trout: effect of T4. dithiothreitol and cysteine in the perfusate Leatherland
- M. Harel, S. Ozkizilcik, E. Lund, P. Behrens and 169 Enhanced absorption of docosahexaenoic acid (DHA, 22:6n-3) in Artemia nauplii A. R. Place using a dietary combination of DHA-rich phospholipids and DHA-sodium salts J. D. Jones, P. Burnett and P. Zollman The glyoxylate cycle: does it function in the dormant or active bear? 177
 - Effect of neutral salts on activity and stability of transglutaminase from scallop adductor muscle

S. A. Zabelinskii, M. A. Chebotareva, V. B. Kostkin 187 Phospholipids and their fatty acids in mitochondria, synaptosomes and myelin from the liver and brain of trout and rat: a new view on the role of fatty acids in and A. I. Krivchenko K.-i. Nakamura, K. litsuka and T. Fujii 195 Adenylate kinase is tightly bound to axonemes of Tetrahymena cilia J. S. Buckner, M. M. Hagen and D. R. Nelson 201 The composition of the cuticular lipids from nymphs and exuviae of the Silverleaf Whitefly, Bemisia argentifolii S. Petrović, L. Semenčić, B. Ozretić and M. 209 Selective determination of fish aspartate aminotransferase isoenzymes by their Krajnović-Ozretić differential sensitivity to proteases K. J. Venugopal and D. Kumar 215 Vitellins and vitellogenins of *Dysdercus koenigii* (Heteroptera: Pyrrhocoridae) identification, purification and temporal pattern Instructions to Authors Vol. 124B, No. 3 General Papers T. Nagai 225 Mitochondrial aldehyde dehydrogenase from the liver of skipjack tuna Katsuwonus pelamis T. A. Coudron, M. Igbal, W. C. Rice, Mediated pathogenicity of the baculovirus AcMNPV by the venom from Euplec-231 M. R. Ellersieck and R. E. Pinnell trus comstockii Howard (Hymenoptera: Eulophidae) B. Latha, M. Ramakrishnan, V. Jayaraman and Physicochemical properties of extracellular matrix proteins in post-burn human 241 M. Babu granulation tissue P. J. Walsh, M. E. Handel-Fernandez and Characterization and sequencing of glutamine synthetase cDNA from liver of the V. Vincek ureotelic gulf toadfish (Opsanus beta) L. Hayat, M. A. Al-Sughayer and M. Afzal 261 Fatty acid composition of human milk in Kuwaiti mothers R. L. Föll, A. Pleyers, G. J. Lewandovski, Anaerobiosis in the nematode Caenorhabditis elegans C. Wermter, V. Hegemann and R. J. Paul A. Wilimowska-Pelc, M. Olczak, Z. Olichwier, Isolation and amino acid sequence of two trypsin isoinhibitors from duck pan-M. Gladysz and T. Wilusz K. Nagao, M. Sakono, M. Nakayama, 289 Effect of gemfibrozil on triacylglycerol synthesis and secretion by liver and lipo-T. Hirakawa and K. Imaizumi protein lipase activity in adipose tissue of rats C. F. Phleger, M. M. Nelson, B. Mooney and 295 Lipids of abducted Antarctic pteropods, Spongiobranchaea australis, and their P. D. Nichols hyperiid amphipod host M. J. Fernández-Reiriz, U. Labarta, M. Albentosa 309 Lipid profile and growth of the clam spat, Ruditapes decussatus (L), fed with and A. Pérez-Camacho microalgal diets and cornstarch P. Hovingh and A. Linker 319 Hyaluronidase activity in leeches (Hirudinea) T. Ozeki, Y. Mitsui, H. Sugiya and S. Furuyama 327 Ribose 1,5-bisphosphate regulates rat kidney cortex phosphofructokinase M. Ohkubo, M. Tsushima, T. Maoka and 333 Carotenoids and their metabolism in the goldfish Carassius auratus (Hibuna) T. Matsuno T. Matsuno, M. Ohkubo, Y. Toriiminami, 341 Carotenoids in food chain between freshwater fish and aquatic insects M. Tsushima, S. Sakaguchi, T. Minami and T. Maoka C. Kepron, J. Schoen, M. Novak and 347 NMR study of lipid changes in organs of jirds infected with Echinococcus multi-B. J. Blackburn locularis H. K. Johnsen, H. Tveiten, N. P. Willassen and 355 Arctic charr (Salvelinus alpinus) vitellogenin: development and validation of an A. M. Arnesen enzyme-linked immunosorbent assay Instructions to Authors Vol. 124B, No. 4

General Papers

F. Galgani, N. Piel and F. Vincent

363 A simple procedure for polymerase chain reaction of the PSBA gene in algae: application to the screening of mutations conferring atrazine resistance and discrimination of natural populations of *Porphyra linearis* T. J. Applegate and M. S. Lilburn Effect of turkey (Meleagridis gallopavo) breeder hen age and egg size on poult development. 1. Intestinal growth and glucose tolerance of the turkey poult T. J. Applegate, J. J. Dibner, M. L. Kitchell, Z. Uni 381 Effect of turkey (Meleagridis gallopavo) breeder hen age and egg size on poult and M. S. Lilburn development. 2. Intestinal villus growth, enterocyte migration and proliferation of the turkey poult S. D. Crissey and R. Wells 391 Serum 2- and 7-tocopherols, retinol, retinyl palmitate, and carotenoid concentrations in captive and free-ranging bottlenose dolphins (Tursiops truncatus) A. Imai, T. Nashida and H. Shimomura 397 Comparison of phosphodiesterase isozymes in rodent parotid glands 405 G. Mourente and E. Díaz-Salvago Characterization of antioxidant systems, oxidation status and lipids in brain of wild-caught size-class distributed Aristeus antennatus (Risso, 1816) Crustacea, Deca-T. J. Caperna, R. W. Rosebrough, J. P. McMurtry 417 Influence of dietary protein on insulin-like growth factor binding proteins in the and R. Vasilatos-Younken chicken C. L. David, V. A. Pierce, D. W. Aswad and A. G. 423 The effect of urea exposure on isoaspartyl content and protein t-isoaspartate Gibbs methyltransferase activity in Drosophila melanogaster L. Wickham, J. P. Zappulla and L. DesGroseillers 429 Molecular cloning, sequence analysis and expression distribution of an aminopeptidase in Aplysia californica R. Guitart, A. M. Silvestre, X. Guerrero and R. 439 Comparative study on the fatty acid composition of two marine vertebrates: striped Mateo dolphins and loggerhead turtles S. Varghese and O. V. Oommen 445 Thyroid hormones regulate lipid metabolism in a teleost Anabas testudineus (Bloch) Y. K. Leung and J. W. Ho 451 Modulation of reduction of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone by vitamin C-palmitate K. Benkendorff, K. Beardmore, A. A. Gooley, N. H. Characterisation of the slime gland secretion from the peripatus, Euperipatoides Packer and N. N. Tait kanangrensis (Onychophora: Peripatopsidae) M. Rasmussen and L. Rasmussen 467 Phospholipase D in Tetrahymena: activity and significance K. S. Chae, I. H. Lee, C. S. Choi and H. R. Kim 475 Purification and characterization of chitin-binding proteins from the hemolymph of sweet potato hornworm, Agrius convolvuli H. Kishimura and K. Hayashi 483 Isolation and characteristics of phospholipase A2 from the pyloric ceca of the starfish Asterina pectinifera G. Tedeschi, A. Negri, G. Bernardini, E. Oungre, F. 489 D-aspartate oxidase is present in ovaries, eggs and embryos but not in testis of Ceciliani and S. Ronchi Xenopus laevis Volume Contents, Subject and Author Index for Vol. 124B

Instructions to Authors